

IN THE CLAIMS

Please amend the claims as follows:

1-23 (canceled).

24. (new) A multi-position reclining bed comprising:

a support including plurality of sections including a back section, a buttocks section, a thigh section, and a calves section, the support configured to carry a mattress thereon;

a track coupled to the support;

a linear actuator coupled to the support;

wherein the back section is coupled to the track section and configured to move an end portion thereof vertically when the linear actuator is activated; and

wherein the thigh section and calves section can be configured to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.

25. (new) The multi-position reclining bed of claim 24, wherein:

the buttocks section is configured to recline pivotally in an upward direction about an adjoining edge of the back section when a buttocks foot edge of the buttocks section is elevated whereby clearance is provided for a greater degree of downward tilt for the coplanar leg section, whereby a sit-up position with legs angled in a downward direction can be obtained from a conventional bed surface height, and whereby the body weight is transferred from the lower back to the lower thigh area of the body as the bed is reclined to the sit up position and whereby a permanently attachable desk becomes practical.

26. (new) The multi-position reclining bed of claim 25, further comprising:

at least one arm rest, a swing arm, and a variable position swivel lock wherein the arm rest is attached to the swing arm and the swing arm attached to the bed wherein the arm rest is pivoted substantially horizontally from a location beside the bed into a position over the bed and is locked into the position by the swivel lock, whereby the swing arm, the arm rest provide bodily support at various positions of entering and exiting the bed by locking and unlocking the

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swivel lock and whereby a shock resistance working surface is readily secured at various positions along wall, bed side and seating positions.

27. (new) The multi-position reclining bed of claim 26, further comprising:

a desk, electrical and phone receptacles wherein the desk and the electrical and the phone receptacles wires are secured to the swing arm whereby internet and phone service, clock radios, computers, televisions, lamps and electrical devices can be readily accessible and whereby the sit-up bed can be used as an office or recreational furniture.

28. (new) The multi-position reclining bed of claim 25, further comprising:

a pivot fixture, at least one transfer link, at least one projection and at least one stop, at least one connecting bar, and at least one lock spring, the transfer link having three pivot points wherein the lower transfer link pivot point is connected to the linear actuator, the foot end pivot is pivotally connected to the connecting bar and opposite end of the connecting bar pivotally connected to the feet elevating mechanism, and the pivot of the transfer link located between the lower pivot and the foot end pivot is pivotally connected to the pivot fixture, the pivot fixture is pivotally connected at axial pivot location of pivot between the buttocks section and the thigh section, wherein while the thigh section and the calves section are reclined below horizontal, force of footward motion of the linear actuator on lower transfer link pivot point of the transfer link results in upward rotation of the pivot fixture, the calves section, the thigh section, and the feet elevating mechanism in an upward direction about distal end pivot of the pivot fixture until the projection of the pivot fixture engages the stop secured to the thigh section at a substantially horizontal position, further footward motion of the linear actuator results in rotation of the transfer link about transfer link fixture pivot of the transfer link resulting in lifting of the thigh section and the calves section and the feet elevating mechanism from resting points on the pivot fixture and calves section the stop, while elongating the lock spring.

29. (new) The multi-position reclining bed of claim 28, wherein:

the lower transfer link pivot is disposed along the pivot fixture wherein the linear actuator and the buttocks section form a double bar linkage resulting in substantially minor vertical

movement of the foot edge of the calves section of the coplanar leg section as buttocks section is reclined.

30. (new) The multi-position reclining bed of claim 25, further comprising:

a boxspring having a reduced thickness at the foot edge of the calves section whereby maximum downward tilt of the coplanar leg section can be realized.

31. (new) The multi-position reclining bed of claim 30, further comprising:

a fabric material, a peripheral frame and a peripheral frame spring wherein the peripheral frame pivoted at distal end pivots, forms the lower edge of the foot end of the bed and along both sides of the bed at a substantial distance below the surface of the calves section and/or the thigh section and wherein the peripheral frame spring elongates when peripheral frame is rotated below the horizontal position about distal end pivots by force of the calves section whereby the appearance of the boxspring of substantial thickness is made, and whereby a protective elongatable fabric type shroud encloses the moving parts.

32. (new) The multi-position reclining bed of claim 31, further comprising:

at least one cam and at least one cam follower wherein the cam contour controls the elevation position of the peripheral frame whereby the peripheral frame is prevented from resting on bed covers, blankets, sheets and/or floor, and whereby the peripheral frame can be elevated to a feet up position.

33. (new) The multi-position reclining bed of claim 25, further comprising:

a high frictional surface and a relatively low frictional surface whereby the mattress movement on reclining surfaces can be controlled and the mattress crushes rather than lifts from surface when folded as the mattress slides upwardly along the low friction surface of the back section.

34. (new) The multi-position reclining bed of claim 33, further comprising:

a releasable mechanical holding device wherein the mattress is secured to surface of boxspring by releasable mechanical holding device.

35. (new) The multi-position reclining bed of claim 34, wherein:
the releasable mechanical holding device is secured at a sufficient distance inward from perimeter of the mattress between the surface of the mattress and bed surface to allow sandwiching of sheets and blankets along perimeter of the mattress.
36. (new) The multi-position reclining bed of claim 35, wherein:
the releasable mechanical holding device is a barb and loop type two part fastening material.
37. (new) The multi-position reclining bed of claim 25, further comprising:
a threaded coupling half, a fixed coupling half, a bearing, a thread spring, a thread wherein the coupling disengages during inhibited reclining motion by action of rotating the thread separating the threaded coupling half from the fixed coupling half along axis of the thread against compression force of the spring whereby free rotation of the threaded coupling half on the thread prevents further movement along length of the thread whereby angular free fall of more than 10 degrees is prevented after inhibition to reclining is removed.
38. (new) The multi-position reclining bed of claim 25, further comprising:
a four section reclining bed that is a non wall hugger.
39. (new) The multi-position reclining bed of claim 26, further comprising:
reclining beds and reclining chairs wherein the reclining beds and the reclining chairs have the arm rest, the swing arm, and the variable position swivel lock attached.
40. (new) The multi-position reclining bed of claim 25, further comprising:
a foot rest area whereby body weight is transferred from lower back and thigh to the feet.
41. (new) The multi-position reclining bed of claim 26, further comprising:
a buttocks sling secured to the arm rest whereby a person can be elevated relative to the buttocks section by means of lowering the buttocks section whereby a bed pan can be placed or

the user swung sitting up, in or out of bed by the arm, to a toilet device or wheelchair beside the bed.

42. (new) The multi-position reclining bed of claim 25, further comprising:

a power back arch mechanism wherein the mattress behind arch of back is moved to protrude in the direction away from the back section surface to change the curvature of the mattress whereby change of position by adjusting spinal support increases the immediate and long term seating comfort.

43. (new) The multi-position reclining bed of claim 25, wherein:

the protrusion extends longitudinally along structural steel angle secured to lower surface of reclining section past pivot then tapered downwardly to lower edge of vertical non secured side of the structural angle steel whereby lower edge of protrusion engages stop and rotation is limited.

44. (new) The multi-position reclining bed of claim 24, further comprising:

a desk coupled to the bed and configured to carry reading material for reading by a user.

45. (new) A multi-position reclining bed comprising:

a support including plurality of sections including a back section, a buttocks section, a thigh section, and a calves section, the support configured to carry a mattress thereon;

a track coupled to the support;

a linear actuator coupled to the support; and

wherein the thigh section and calves section can be configured to form a single acting rigid coplanar leg section that reclines pivotally below a horizontal plane of the buttocks section in a downward direction pivotally about an adjoining edge with the buttocks section.

46. (new) The multi-position reclining bed of claim 45, wherein:

the buttocks section is configured to recline pivotally in an upward direction about an adjoining edge of the back section when a buttocks foot edge of the buttocks section is elevated thereby providing clearance for downward tilt for the coplanar leg section.

47. (new) The multi-position reclining bed of claim 46, further comprising:
at least one arm rest, a swing arm, and a variable position swivel lock wherein the arm rest is attached to the swing arm and the swing arm is attached to the bed wherein the arm rest is configured to be pivoted substantially horizontally from a location beside the bed into a position over the bed and locked into the position by the swivel lock.
48. (new) The multi-position reclining bed of claim 47, further comprising:
a desk secured to the swing arm.